Composites Science and Technology **40** (1991) 444–446

CONTENTS OF VOLUME 40

Number 1

Guest Editorial 1
D. C. PHILLIPS (UK)

Measurement of the Adhesion of Poly(Ether Block Amide) to E-Glass by Single Filament Fragmentation 19
G. MERLE & M. XIE (France)

Comparison of Bevel and Tulip Triggered Pultruded Tubes for Energy Absorption 31
MICHAEL J. CZAPLICKI, RICHARD E. ROBERTSON & PETER H. THORNTON (USA)

Failure Mechanisms in Carbon Fibre Reinforced Poly(ether ether ketone). II: Material Variables 47
P. J. HINE, B. BREW, R. A. DUCKETT & I. M. WARD (UK)

Low-temperature Thermal Expansion of PEEK, HTA and Some of Their Composites Reinforced with Carbon Fibres. 69
J. M. GAITONDE & M. V. LOWSON (UK)

Analysis of Mode I and Mode II Interlaminar Fracture Specimens by a Comparative Finite Element Method 87
ROBERT E. LOTTER & MICHAEL H. SANTARE (USA)

Conference Diary 109

Number 2

A Micromechanical Model for Plastic Behavior of Fibrous Composites . . 115
C. T. SUN & J. L. CHEN (USA)

Laboratory-scale Screening of Mechanical Properties of Resins and Composites: Relevance to Composites for Aerospace Applications 131
M. DAVIES & D. R. MOORE (UK)

Damage Mechanics of Composite Materials. III: Prediction of Damage Growth and Notched Strength 147
M. T. KORTSCHOT, P. W. R. BEAUMONT & M. F. ASHBY (UK)

Composites Science and Technology (**40**) (1991)—© 1991 Elsevier Science Publishers Ltd, England. Printed in Great Britain

Damage Mechanics of Composite Materials. IV: The Effect of Lay-up on Damage Growth and Notched Strength 167
M. T. KORTSCHOT & P. W. R. BEAUMONT (UK)

On the Validity of the Tensor Polynomial Failure Theory with Stress Interaction Terms Omitted 181
P. S. THEOCARIS & T. P. PHILIPPIDIS (Greece)

Compatibility Between SiC Filaments and Aluminium in the K_2ZrF_6 Wetting Process and its Effect on Filament Strength. 193
S. SCHAMM, Y. LE PETITCORPS & R. NASLAIN (France)

An Analysis of High-Temperature Behavior of AA2124/SiC Whisker Composites 213
R. D. SCHUELLER & F. E. WAWNER (USA)

Conference Diary. 225

Number 3

Fracture Toughness and Fiber Bridging of Carbon Fiber Reinforced Carbon Composites 231
MOTOTSUGU SAKAI, TATSUYA MIYAJIMA & MICHIO INAGAKI (Japan)

Static Mechanical Behaviour of Composite Cylindrical Springs 251
C. K. SO, P. C. TSE, T. C. LAI & K. M. YOUNG (Hong Kong)

Trigger Mechanisms in Energy-Absorbing Glass Cloth/Epoxy Tubes . . . 265
I. SIGALAS, M. KUMOSA & D. HULL (UK)

Micro- and Macromechanical Stress and Failure Analyses of Laminated Composites 289
HYUNG JIP CHOI & SUROT THANGJITHAM (USA)

Formation and Growth of 90° Ply Fatigue Cracks in Carbon/Epoxy Laminates 307
M. C. LAFARIE-FRENOT & C. HÉNAFF-GARDIN (France)

Book Reviews 325

Number 4

Fracture Characteristics of Al/Zircon Particulate Composites 333
U. T. S. PILLAI & R. K. PANDEY (India)

Characterization of the Vibration Damping Loss Factor of Glass and Graphite Fiber Composites. 355
ROGER M. CRANE & JOHN W. GILLESPIE, JR (USA)

A Unified Approach to Progressive Crushing of Fibre-Reinforced Composite Tubes 377
D. HULL (UK)

The Effects of Injection Molding on the Mechanical Behavior of Long-Fiber Reinforced PBT/PET Blends 423
T. VU-KHANH, J. DENAULT, P. HABIB & A. LOW (Canada)

Conference Diary 437

Subject Index 441

Author Index 443